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(71) Applicant (for all designated States except US): DOW
GLOBAL TECHNOLOGIES INC. [US/US]; Washing-
ton Street, 1790 Building, Midland, MI 48674 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WALIA, Parvinder,
S. [IN/US]; 5220 Hedgewood Drive, Apt. 1014, Midland,
MI 48640 (US). PATEL, Rajen, M. [US/US]; 114 Scarlet
Oak, Lake Jackson, TX 77566 (US). KLIER, John
[US/US]; 5215 Shoal Creek Circle, Midland, MI 48642
(US). WEAVER, John, D. [US/US]; 122 Anchusa, Lake
Jackson, TX 77566 (US). LADIKA, Mladen [US/US];

4714 Blossom Circle, Midland, MI 48642 (US). ES-
SEGHIR, Mohamed [BZ/US]; 5 Robin Lane, Monroe
Township, NJ 08831 (US). COGEN, Jeffrey, N. [US/US];
6 Braintree Court, Flemington, NJ 08822 (US).

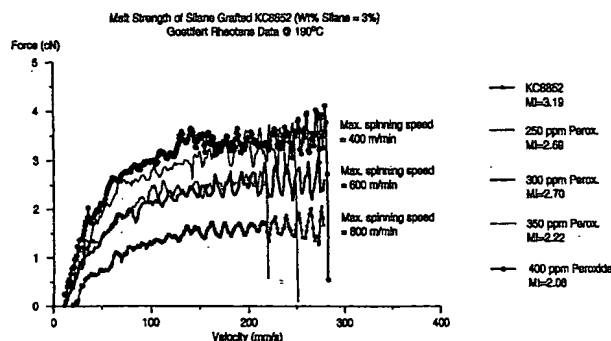
(74) Agent: HOPPE, James, T.; The Dow Chemical Company,
Intellectual Property Section, P.O. Box 1967, Midland, MI
48674-1967 (US).

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[Continued on next page]

(54) Title: SILANE MOISTURE CURED HEAT RESISTANT FIBERS MADE FROM POLYOLEFIN ELASTOMERS



(57) Abstract: An improved process for crosslinking a polyolefin polymer is described. The process involves grafting a silane material onto the polyolefin based polymer in the presence of a free radical generating initiator material and then hydrolyzing the silane material to form crosslinks. By using an effective molar ratio of silane material to free radical of 40 or greater in the grafting reaction, premature crosslinking is controlled and the grafted polymer can be shaped first and then crosslinked. In another aspect of the invention, the crosslinking process is improved by adding a catalyst for the hydrolysis catalyst to the surface of a shaped article made from the grafted polymer. Grafted polymer and articles made from the grafted polymer, particularly fibers, are also disclosed.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 300 718 A (MITSUI PETROCHEMICAL IND) 25 January 1989 (1989-01-25) claims; example 1	1, 4, 5, 7-27, 29-38
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☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Wirth, M

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